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Dec 21, 2000

DERWENT-ACC-NO: 2001-104051

DERWENT-WEEK: 200112

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TITLE: Pressed ground coffee or tea leaf tablets disintegrating in aqueous liquid and storable coffee or tea extract tablets contain disintegration agent, wetting agent, additive and gelatin as binder

INVENTOR: KENKE D ; WALKOWIAK R

PATENT-ASSIGNEE:

ASSIGNEE	CODE
KENKE D	KENKI
WALKOWIAK R	WALKI

PRIORITY-DATA: 1999DE-1027963 (June 18, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
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APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
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ABSTRACTED-PUB-NO: DE 19927963 A1

BASIC-ABSTRACT:

NOVELTY - Easily handled beverage tablets, which disintegrate quickly and liberate a beverage in aqueous liquids, contain ground coffee beans or tea leaves, pressed

to tablets with an eccentric or rotary press.

DESCRIPTION - An INDEPENDENT CLAIM is also included for storable beverage tablets, which disintegrate quickly and liberate a beverage in aqueous liquids and contain a solid fraction, obtained by ultrafiltration or freeze drying of aqueous coffee or tea extract, and other ingredients.

USE - The products are instant coffee and tea tablets.

ADVANTAGE - The tablets are more hygienic than e.g. usual coffee powders or extract powders or granules, as they avoid the risk of contamination. They can also be packed individually to prevent deterioration of e.g. caffeine and chlorogenic acid by contact with atmospheric oxygen.

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EQUIVALENT-ABSTRACTS:

FOOD

Preferred Tablets: The tablets also contain additive(s) selected from sweeteners, sugar compounds and dried milk products. They are sealed in water-permeable paper, preferably paper with wet strength, or an air-impermeable, tear-open bag.

Preferred Storable Tablets: The storable beverage tablets, which disintegrate quickly and liberate a beverage in aqueous liquids, contain:

- (a) a solid fraction, obtained by ultrafiltration or freeze drying of aqueous coffee or tea extract;
- (b) disintegration agent(s) comprising:
 - (i) starch(es), cellulose derivative(s), alginate(s), dextran(s) and/or cross-linked polyvinylpyrrolidone compound(s) as adsorbent; and
 - (ii) sodium hydrogen carbonate, citric acid and/or tartaric acid as gas-liberating agent;
- (c) a hydrophilizing agent to wet the fraction;
- (d) additive(s) selected from sweeteners, sugar compounds and dried milk products; and
- (e) a gelatin compound as binder.

The solid enriched coffee fraction forms a single layer or several layers of the tablets and preferably is mixed with the disintegration agent. The tablets have the composition (a) 10-100, preferably 10-60, especially 30-50 parts weight fraction, (b) 1-25, preferably 10-25, especially 15-20 parts weight disintegration agent, comprising a 1/1 mixture of adsorbent and gas-liberating agent, (c) 5-15, especially 8-10 parts weight hydrophilizing agent, (d) 2-15, especially 5-10 parts weight additive(s) and (e) 5-10, especially 5-8 parts weight gelatin as binder.

TITLE-TERMS: PRESS GROUND COFFEE TEA LEAF TABLET DISINTEGRATE AQUEOUS LIQUID STORAGE EXTRACT CONTAIN AGENT WET ADDITIVE GELATIN BIND

DERWENT-CLASS: A97 D13

CPI-CODES: A12-W09; D03-D01; D03-D02;

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018 ; G3714 P0599 D01 F70 R24033 95972; S9999 S1456*R;
Polymer Index [1.2]
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